

Mansbach, Gerhard, Collection of Technology Manuals

Gerhard Mansbach Collection of Technology Manuals
1964-1994



Title Statement

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Profile Description

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Descriptive Summary

Unit ID

Ms.2022.069

Unit Date

1964-1994

Language

The materials in this collection are in English.

Abstract

The Gerhard Mansbach Collection of Technology Manuals primarily consists of technology reference and technical manuals. This collection also contains software disks, books, and materials relating to two projects that Mansbach worked on.

Creator

Mansbach, Gerhard, 1928-1997

Extent

4.9 Cubic Feet 5 Boxes

Repository

Special Collections and University Archives, Virginia Tech

Administrative Information

Conditions Governing Access

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Source of Acquisition

The Gerhard Mansbach Collection of Technology Manuals was donated to Special Collections and University Archives in 2019.

Processing Information

The processing, arrangement, and description of the Gerhard Mansbach Collection of Technology Manuals commenced in October 2022 and completed in November 2022.

Preferred Citation

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Biographical Note

Gerhard Mansbach (Gerry) was born in Kassel, Germany, on December 5, 1928. He immigrated to New York City on November 14, 1936, during the Nazi era of Jewish persecution in Germany. Mansbach graduated from Dewitt Clinton High School in New York City before obtaining a degree from the University of Chicago. He went on to become a self-taught computer programmer in the 1960s while working with punch card systems for the Department of Public Works in Boston. There he produced a data-driven United States Commerce Department of Public Roads report, "Cape Cod Tourist Study," measuring the mid-1960s tourism impact on Cape Cod.

From 1969-1980, Mansbach was employed by the Charles Stark Draper Laboratory at the Massachusetts Institute of Technology (MIT) where he programmed guidance systems for the National Aeronautics and Space Administration (NASA) Apollo Missions and for General Motors autobody-stamping machine robotics for Fiat S.p.A. (*Fabbrica Italiana Automobili Torino*).

In retirement, Mansbach created a musical brailor for the vision-impaired; a software product for fluid-inclusion studies, "Overlay Assistant," with spectrometer for Virginia Tech's Geology Department; and a biosensor monitoring software for Biological Monitoring, Incorporated (BMI) in Blacksburg, Virginia.

Content Description

The Gerhard Mansbach Collection of Technology Manuals primarily consists of technology reference and technical manuals. Most manuals in this collection were created by the International Business Machines Corporation (IBM), though there are also manuals created by Borland International, Commodore International, Digital Equipment Corporation, Government Publications, Honeywell, and Intel. Also included in the collection are materials relating to the Cape Cod Tourist Study and the Overlay Assistant project which Mansbach worked on. The collection also contains several books, most of which are about programming, as well as demo software floppy disks for the Overlay Assistant project, and software disks for Borland International and Boston Computer Society products.

Keywords

Science and Technology

Computer software industry -- United States -- History

Rights Statement for Archival Description

Arrangement

- **Series I: Projects** contains materials relating to projects that Gerhard Mansbach worked on.
- *Subseries I: Overlay Assistant - Department of Geology, Virginia Tech* contains materials relating to the Overlay Assistant project that Gerhard Mansbach worked on. This subseries also contains user manuals, promotional materials, a demo disk, and general correspondence relating to the project.
- **Series II: Reference Materials** contains technical manuals, software, books, and promotional brochures.
- *Subseries I: Technical Manuals* contains technical reference manuals for different pieces of technology.
- *Sub-Subseries I: Borland International*
- *Sub-Subseries II: Commodore International*
- *Sub-Subseries III: Digital Equipment Corporation (DEC)*
- *Sub-Subseries IV: Government Publications*
- *Sub-Subseries V: Intel Corporation*
- *Sub-Subseries VI: International Business Machines Corporation (IBM)*
- *Sub-Subseries VII: Motorola, Inc.*
- *Subseries II: Software* contains a software package created by Borland International, eight floppy disks from the Boston Computer Society, and several other floppy disks.
- *Subseries III: Books* contains five books, most of which include information about computer programming.

Description of Subordinate Components

Series I: Projects

Unit Date 1965-1994

Cape Cod Tourist Survey

Unit Date 1965

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Subseries I: Overlay Assistant

Unit Date 1993-1994

Overlay Assistant User's Manual V 1.0 Rev 0

Unit Date 1993

box-folder 2 (box)

Container 1 (folder)

Overlay Assistant User's Manual V 1.0 Rev 1

Unit Date 1994

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Overlay Assistant Correspondence

Unit Date 1994

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Overlay Assistant Software Disks

Unit Date 1994, undated

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Overlay Assistant - Promotional Materials

Unit Date 1994, undated

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Container 5 (folder)

Overlay Assistant - Technical Materials

Unit Date 1994, undated

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Container 6 (folder)

Series II: Reference Materials

Unit Date 1964-1990, undated

Subseries I: Technical Manuals

Unit Date 1964-1990, undated

Sub-Subseries I: Borland International

Unit Date 1990

Immediate Database Power: Introduction

Unit Date 1990

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Immediate Database Power: Network Administrators Guide

Unit Date 1990

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Immediate Database Power: PAL User's Guide

Unit Date 1990

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Immediate Database Power: Personal Programmer Guide

Unit Date 1990

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Immediate Database Power: Presenting Data

Unit Date 1990

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Immediate Database Power: User's Guide

Unit Date 1990

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Sub-Subseries II: Commodore International

Unit Date 1985-08

AmigaDOS Developer's Manual

Unit Date 1985-08

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AmigaDOS Technical Reference Manual

Unit Date 1985-08

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AmigaDOS User's Manual

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Amiga Enhancer Software

Unit Date 1985-08

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Container 5 (folder)

Amiga Hardware Manual

Unit Date 1985-08

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Container 6 (folder)

Intuition: The Amiga User Interface

Unit Date 1985-08

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Container 7 (folder)

Lattice C Compiler Manual

Unit Date 1985-08

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Container 8 (folder)

ROM Kernel Manual Volume 1

Unit Date 1985-08

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Container 9 (folder)

ROM Kernel Manual

Unit Date 1985-08

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Container 10 (folder)

Sub-Subseries III: Digital Equipment Corporation (DEC)

Unit Date 1970-1973

PDP-15 User's Handbook Vol. 1 Processor

Unit Date 1970

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PDP-15 User's Handbook Vol. 2 Peripherals

Unit Date 1970

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PDP-15 Systems Interface Manual

Unit Date 1971

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PDP-15 Systems Reference Manual

Unit Date 1971

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Container 14 (folder)

PDP-15 Systems Macro-15 Assembler

Unit Date 1971

box-folder 1 (box)

Container 15 (folder)

PDP-15 Systems TC59 Magnetic Tape Transport Control

Unit Date 1973

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Sub-Subseries IV: Government Publications

Unit Date 1970-08-1973-02

Analysis of Major Computer Operating Systems

Unit Date 1970-08

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Container 21 (folder)

Guidelines for the Design and Implementation of Reliable Software Systems

Unit Date 1973-02

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Container 22 (folder)

Sub-Subseries V: Intel Corporation

Unit Date 1980-1984

ASM86 Language Reference Manual

Unit Date 1983

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Getting Started With the Numeric Data Processor

Unit Date 1980

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Container 9 (folder)

80287 80-Bit HMOS Numeric Processor Extension

Unit Date 1983

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Container 10 (folder)

8027 Numeric Coprocessor Benchmark Report

Unit Date 1984

box-folder 2 (box)

Container 11 (folder)

8087 Numeric Data Coprocessor

Unit Date 1984

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Sub-Subseries VI: International Business Machines Corporation (IBM)

Unit Date 1964-1986

Subseries I: IBM Systems Reference Library

Unit Date 1963-1974

IBM System/360 Operating System: Introduction

Unit Date 1972-11

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IBM System/360 Instruction Timing Information

Unit Date 1964

box-folder 2 (box)

Container 26 (folder)

IBM System/360 Operating System: Programmer's Guide to Debugging

Unit Date 1974

box-folder 2 (box)

Container 30 (folder)

IBM System/360 Operating System: System Control Blocks

Unit Date 1973

box-folder 2 (box)

Container 33 (folder)

IBM System/360 Operating System Assembler Language

Unit Date 1970

box-folder 4 (box)

Container 4 (folder)

IBM System/360 Operating System Assembler (F) Programmer's Guide

Unit Date 1970

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Container 34 (folder)

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IBM System/360 Operating System: Tape Labels

Unit Date 1968

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IBM System/360 Component Description: 2841 Storage Control; 2302 Disk Storage, Models 3 and 4; 2311 Disk Storage Drive; 2321 Data Cell Drive; 2302 Drum Storage

Unit Date undated

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Container 24 (folder)

IBM OS Linkage Editor and Loader: Program Numbers 360S-ED-510; 360S-ED-521; 360S-LD-547

Unit Date 1973

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IBM 1231, 1232 Optical Mark Page Readers

Unit Date 1963

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IBM 1401 System Summary

Unit Date 1964

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IBM 1403 Printer Component Description

Unit Date 1966

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IBM 1443 Printer Models 1, 2, and N1; IBM 1445 Printer Models 1 and N1

Unit Date 1967

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Container 21 (folder)

IBM 729, 7330, and 727 Magnetic Tape Units: Principles of Operation

Unit Date 1964

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Container 22 (folder)

IBM 1620 Monitor I System Reference Manual

Unit Date 1964

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Container 30 (folder)

Input/Output Control System (on Disk) Specifications IBM 1401 and 1460

Unit Date 1964

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OS Data Management Macro Instructions

Unit Date 1973

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Program Specifications and Operating Procedures IBM 1401, 1440, and 1460

Unit Date 1964

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Container 16 (folder)

Special Feature Instructions IBM 1401 Data Processing System and IBM 1460 Data Processing Systems

Unit Date 1964

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A PL/I Primer Student Text

Unit Date 1965

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Container 23 (folder)

A Programmer's Introduction to the IBM System/370 Architecture, Instructions, and Assembler Language Student Text

Unit Date 1965

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Autocoder (on Disk) Language Specifications IBM 1401, 1440, and 1460

Unit Date 1965

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IBM PC Technical Report Volume 1

Unit Date 1986, undated

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IBM System/360 Introductory Notes Student Text

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IBM System/360 Initial Program Loader and Nucleus Initialization Program Logic Manual

Unit Date 1967

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Container 27 (folder)

IBM System/360 Operating Systems Direct Access Device Space Manual

Unit Date 1967

box-folder 2 (box)

Container 28 (folder)

Introduction to IBM Direct-Access Storage Devices and Organization Methods

Unit Date 1974

box-folder 2 (box)

Container 29 (folder)

Introduction to OS/VS2 Release 2

Unit Date 1973

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Container 31 (folder)

Introduction to Structured Programming in PL/1

Unit Date 1977

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Introduction to IBM System/360 Direct Access Storage Devices and Organization Methods

Unit Date 1966

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IBM System/370 Principles of Operation

Unit Date 1974

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IBM System/370 Principles of Operation

Unit Date 1980

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IBM System/360 Input/Output Operations**Unit Date** 1965**box-folder** 3 (box)**Container** 5 (folder)**OS and DOS PL/1 Language Reference Manual****Unit Date** 1981**box-folder** 3 (box)**Container** 6 (folder)**OS Assembler H General Information Manual****Unit Date** 1972**box-folder** 3 (box)**Container** 7 (folder)**OS/VS-DOS/VS-VM/370 Assembler Language****Unit Date** 1975**box-folder** 3 (box)**Container** 9 (folder)**OS/VS-DOS/VSE-VM/370 Assembler Language****Unit Date** 1979**box-folder** 3 (box)**Container** 10-11 (folder)**OS/VS-VM/370 Assembler Programmer's Guide****Unit Date** 1975**box-folder** 3 (box)**Container** 12 (folder)**OS/VS2 MVS Hierarchical Storage Manager System Programmer's Reference and Operations Guide****Unit Date** 1977**box-folder** 3 (box)**Container** 13 (folder)**OS PL/1 Checkout and Optimizing Compilers: Language Reference Manual****Unit Date** 1976**box-folder** 3 (box)**Container** 14-15 (folder)**Sub-Subseries VII: Motorola, Inc.****Unit Date** 1986-1990-05**Addendum to M68HC11EVB Evaluation Board User's Manual M68HC11EVB/D1****Unit Date** 1987-10**box-folder** 1 (box)**Container** 17 (folder)

EVB/EVM/EVS Application Note (EVB/EVM/EVS to PC Interfacing)

Unit Date 1990-05

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EVB/EVM/EVS Application Note (PC to EVB/EVM/EVS Downloading)

Unit Date 1990-05

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EVB Application Note (Special Test Mode Operation)

Unit Date 1988-09

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EVB/EVM/EVS Application Note (Third Party Software Vendors)

Unit Date 1990-05

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CONFIG Register Issues Concerning the M68HC11

Unit Date 1988

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MC68HC11 EEPROM Programming for a Personal Computer

Unit Date 1988

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M68HC11EVB Evaluation Board User's Manual

Unit Date 1986

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Apple Computer, Inc. | Apple Language System Installation and Operating Manual

Unit Date 1979

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D. Austin Henderson, Jr. | A Description of Simple AMBIT/G - A Graphical Programming Language

Unit Date 1969

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Amdahl Corporation | Amdahl 470 V/6 Machine Reference Manual

Unit Date 1976

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Container 6 (folder)

Amdek, Inc. | Amdek Model Video 300 Owner's Manual

Unit Date undated

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Hewlett Packard | Application Note 222-4, Guidelines for Signature Analysis: Understanding the Signature Measurement

Unit Date 1981

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Honeywell Electronic Data Processing | Honeywell 1800 Programmer's Reference Manual

Unit Date 1964

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PERCOM | PERCOM Internal Diskette Drives for the IBM Personal Computer

Unit Date 1982

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William F. Luebbert | The Guide to What's Where in the Apple, Volume 1

Unit Date 1981-04

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William F. Luebbert | The Guide to What's Where in the Apple, Volume 2

Unit Date 1981

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CompuView, Inc. | VEDIT Customizable Full Screen Editor

Unit Date 1981

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Subseries II: Software

Unit Date 1982-1990, undated.

Borland International | Paradox Software Package

Unit Date 1990

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The Boston Computer Society | The Boston Computer Society PC Group Disks 1-8

Unit Date 1982

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DOS Talks and Software Disk

Unit Date undated

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Subseries III: Books

Unit Date 1965-1984

Ivan Flores | Computer Programming, 2nd Ed.

Unit Date 1966

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Container 13 (folder)

Ivan Flores | Computer Software: Programming Systems for Digital Computers, 2nd Ed.

Unit Date 1965

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RCA Solid State | Databook: CMOS Integrated Circuits

Unit Date 1983

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Optical Electronics Incorporated | OEI Product Catalog: Analog Solutions

Unit Date 1984

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Container 16 (folder)

Digital Equipment Corporation | The Digital Logic Handbook

Unit Date 1966

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Notes for a seminar on Data Structures in Programming Languages

Unit Date 1971-12

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Command Systems, Inc. | Command Systems Corporation: Instructions and Technical Manual

Unit Date 1985

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The Boston Computer Society | Boston IBM Seed Disk Contents

Unit Date 1982

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PictureWare, Inc. | PicturePower Information Brochure

Unit Date undated

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TRS-80 Micro Color Computer System Brochure

Unit Date 1982

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Honeywell Electronic Data Processing | Honeywell Layout Form-80 Column Card

Unit Date undated

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